

In the claims:

73. (Currently amended) A television messaging gateway for handling messages, said

gateway being adapted to operate in conjunction with a television distribution

5 system having a central location connected to a video downstream network

constructed to carry video signals and distribute said signals to a plurality of

terminals connected thereto, wherein at least one of said terminals is

constructed to selectively display said video signal on a television screen, and

an upstream network capable of delivering user input signals from a remote

10 location to said central location, said television messaging gateway adapted

for operating in conjunction with a messaging server constructed to store and

forward messages, said television messaging gateway comprising:

a message control interface adapted to couple to said messaging server for

controlling at least one message therein, said message having address

15 information associated therewith, to associate said message with at least one

user;

a video output module for generating video frame signals corresponding to said

message or a portion thereof, said module is being adapted to couple to the

downstream network for distributing said video frame signals to ~~a plurality of an~~

20 addressable ~~terminal~~ terminal;

an input device interface adapted to connect to said upstream network for

receiving user input signals;

means logic for directing said message between said message control interface
and said video output module.

74 . The television messaging gateway as claim 73 wherein said television messaging
5 gateway further comprises storage means to store a plurality of messages and the
addressing information associated therewith.

75. The television messaging gateway of claim 73 wherein said input device interface
is further constructed to receive user input signals which are inputted using a
telephone keypad, a user voice, or a combination thereof.

10 76. (Currently amended) The television-messaging gateway of claim 73 wherein said
messaging server is a unified messaging server, and wherein at least one of said
selected messages either a fax messages, or a voice mail messages.

77. The television messaging gateway of claim 73 further comprising receiver means to
receive user generated messages.

15 78. The television messaging gateway of claim 73, wherein said upstream network is
selected from a group comprising a telephony network, a bi-directional television
distribution network, a wireless network, a dedicated wire network or a combination
thereof.

79. The television messaging gateway of claim 73 wherein said user input signals are
20 selected from a group consisting of telephony input, touch tone signals input, voice

input, remote control device input, or a combination thereof.

80. The television messaging gateway of claim 73 wherein said upstream network is a
bi-directional television distribution network and wherein said terminal is adapted to
send user input signals to said television messaging gateway via said upstream
5 network.

81. The television messaging gateway of claim 73 wherein said input device interface
further comprises a speech recognition capability and wherein said user input signals
comprise voice signals.

82. The television messaging gateway of claim 73, wherein said terminal is adapted to
10 receive user voice input, and transmit said voice input to said input device interface.

83. The television messaging gateway of claim 73, further adapted to be coupled to an
IP based network for receiving messages and user input therethrough.

84. The television messaging gateway of claim 73, wherein said user input is inputted
via a remote control unit having a microphone coupled thereto, wherein said
15 microphone is constructed to receive sound energy and transform it to an audio
signal; and
wherein said remote control unit is constructed to communicate a signal
corresponding to said audio signal to said terminal.

85. The television messaging gateway of claim 73, wherein said television messaging
20 gateway further comprises a local module and a centralized module, and wherein

said local module or a portion thereof is located at the user premises.

86. The television messaging gateway as in claim 73 further constructed to receive user input signals, and to use said signals to identify and select a terminal to direct messages to.

5 87. The television messaging gateway as in claim 73 further comprising means for notification of receipt of a message.

88. (Currently amended) The television messaging gateway of claim 73 wherein said messages are of a type selected from audio-voice mail messages, video mail messages, and fax messages, ~~text messages, and multi-media messages.~~

10 89. The television messaging gateway of claim 73 wherein said downstream network is a cable television network, a satellite television network, a terrestrial video distribution network, a radio frequency video distribution network, a DSL network, a cellular network, a hybrid network, direct cable connection, or a combination thereof.

15 90. (Currently amended) The television messaging gateway of claim 73 wherein said video frame signals comprise digital video signals and wherein said downstream network is constructed to transmit digital video signals and addressing information to address selected signals to a selected terminal.

91. The television messaging gateway of claim 73, further comprising a voice recorder to
20 record user voice, and further constructed to embed at least a portion of said

recorded voice within an outgoing message.

92. The television messaging gateway of claim 73 further adapted to generate signals that will cause a progress bar to display on said television screen a progress bar indicating relative progress of an audio or video message being delivered to said terminal.

93. (Previously presented) A television messaging gateway for handling messages, said gateway being adapted to operate in conjunction with a television distribution system having a downstream network constructed to carry signals and distribute said signals to a plurality of terminals connected thereto, wherein at least one of said terminals is constructed to selectively display an image corresponding to said signal on a television screen, operating in conjunction with an upstream network constructed to deliver user input signals, and further operating in conjunction with a messaging server, said television messaging gateway comprising:

an input device interface being adapted to couple to said upstream network for receiving input signals;

a message control interface responsive to said input signals, for controlling at least one message having address information associated therewith, to associate said message with at least one user;

an output module, adapted to generating signals corresponding to said message, the module further being adapted to couple to said downstream

network, and constructed to deliver said signal to a terminal corresponding to said address information, for display on a television set coupled thereto; wherein said message control interface is constructed to control said message responsive to user input signals entered via a telephone keypad.

5 94. The television-messaging gateway of claim 93 wherein said messaging server is a unified messaging server.

95 . The television messaging gateway of claim 94, wherein said upstream network is selected from a group comprising a telephony network, a bi-directional television distribution network, a wireless network, a dedicated wire network or a combination thereof.

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96. The television messaging gateway of claim 94, wherein said television messaging gateway further comprises a local module and a centralized module, and wherein said local module or a portion thereof is located at the user premises.

97. The television messaging gateway of claim 94 wherein said upstream network comprises a bi-directional television distribution network and wherein said terminal is adapted to send user input signals to said television messaging gateway via said upstream network.

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98. The television messaging gateway of claim 94, further adapted to be coupled to an IP based network for receiving messages and user input therethrough.

20 99. The television messaging gateway of claim 93 wherein said input device interface

further comprises a speech recognition capability and wherein said user input signals comprise voice signals.

100. The television messaging gateway of claim 93, further comprising a voice recorder module to record user voice, and further constructed to embed at least a portion of
5 said recorded voice within an outgoing message.

101. (Currently amended) A method for handling messages, adapted for operating in a television distribution system having a television messaging gateway in a central location having at least one video source connected to a downstream network constructed to carry at least video signals and distribute said video signals to a
10 plurality of terminals connected thereto, wherein said at least one of said terminals is constructed to selectively receive and display said video signal through a television coupled thereto, a messaging server constructed to forward messages, and an upstream network capable of delivering user input signals from a remote location to said central location, the method comprising the steps of:

15 receiving a plurality of messages directed to a user, in a television messaging gateway;
converting said messages to corresponding video frame signals; and,
transmitting said signals to a particular terminal associated with said user for outputting said message on a television set coupled thereto.

20 102. The method of claim 101, further comprising the step of entering user outgoing

messages via said upstream network.

103. The method according to claims 101, further comprising the steps of recording a user's voice and embedding said recording within an outgoing message.

104. The method of claim 103, wherein said step of embedding is carried out
5 automatically.

105. The method of claim 101, wherein said television messaging gateway is responsive to user input entered via telephone.

106. The method of claim 101, wherein said television messaging gateway is implemented in part at a central location and in part in the user premises.

10 107. (previously presented) A method for handling messages comprising the steps of:

using a telephone, inputting commands to a television messaging gateway, to

select at least one message directed to a user;

causing said television messaging gateway to output messages in response to

said commands, for outputting said message via a television distribution

15 system on a television set associated with said user, wherein said television

being coupled directly or indirectly to said messaging gateway.

108. The method of claim 107 further comprising the steps of:

Recording a voice message;

Automatically packing said voice message into an e-mail message; and,

20 Sending said e-mail message.

109 The method of claim 108 further comprising the step of inputting said voice
message via said telephone.

110. The method according to claim 107, wherein said messaging server is a unified
messaging server.

5 111. A computer readable media containing software that when executed by a computer
will cause said computer to substantially perform as the television messaging
gateway of claim 73.

112. A computer readable media containing software that when executed by a computer
will cause said computer to substantially perform the method steps performed by the
10 television messaging gateway of claim 107.

113. (Previously presented) A method for handling messages in a unified messaging
system where messages are delivered via a digital television network, the method
comprising:

15 selecting messages in said unified messaging system, said message having
address information associated therewith to associate the message with at
least one user;
receiving video signals corresponding to said messages via said television
network; and,
outputting said messages on a television coupled to said television
20 distribution network.

114. The method of claim 113 further comprising the steps of:

recording a voice message;

Automatically packing said voice message into an e-mail message; and,

sending said e-mail message.

5 115. The method of claim 114 further comprising the step of inputting said voice message via said telephone.

116. (currently amended) The method of claim 113 wherein said messages are of a type selected from at least two of members of the group consisting of ~~e-mail messages,~~ voice mail messages, ~~audio messages,~~ video mail messages, and fax messages,
10 ~~text messages, and multi-media messages.~~

117. The method of claim 113 wherein said step of selecting is performed by entering commands to select said messages, and wherein said commands are entered utilizing a telephone keypad, a user voice, or a combination thereof.

118. The method of claim 114 wherein said step of recording is performed by a terminal
15 coupled to said television network, and wherein said voice message is entered using a microphone coupled to said terminal.

119. The method of claim 113, further comprising the step of outputting a progress bar to indicate relative position within a message, when the message is selected from a group consisting of a video message, an audio message or an audio visual
20 message.

120. (Presently Amended) A method for handling messages, adapted to operate in a television messaging environment, the method comprising the steps of:

using a telephone, recording a voice message in a television messaging gateway located remotely to the premises in which said telephone is located;

5 Automatically packing said voice message into an e-mail message; and,
Sending said e-mail message.

121. The method of claim 120 further comprising the step of first receiving an incoming message, and wherein said voice message and e-mail message comprise an outgoing message in response to said incoming message.

10 122. (Canceled).

123. Currently amended) A method for handling messages in a unified messaging system where messages are delivered via a television network, the method comprising:

selecting messages addressed to a user in said unified messaging system;

15 receiving video frames signals corresponding to said messages via said television network; and,

outputting said video frames ~~said messages~~ on a television set coupled to said television distribution network;

recording an outgoing message

20 digitizing said outgoing message; and,

automatically packaging said message in an outgoing e-mail message and
sending said outgoing message;

wherein at least one of said selected messages are of a type selected from a
list consisting of fax messages, and voice mail messages.

5 124. The method of claim 123 wherein said steps of recording, digitizing and packaging
are preformed by a server remote to the television set.

125. (Presently Amended) A method for handling messages, adapted to operate in
conjunction with a messaging server constructed to forward messages, and with a
television distribution system having a downstream network constructed to carry
10 signals and selectively distribute said signals to a plurality of terminals connected
thereto, wherein said terminal is constructed to selectively display an image
corresponding to said signal on a television screen, and an upstream network
capable of delivering user input signals, the method comprising the steps of:

15 receiving a plurality of messages directed to a particular user in a messaging
server;

from a television messaging gateway, transmitting a video frame signal
corresponding to at least one of said messages or a portion thereof, to a
terminal associated with a user via said downstream network;

displaying said message on a television set coupled to said addressable
20 terminal; and,

recording a user voice, and embedding said voice within an outgoing message.

126. The method of claim 125, further comprising the step of entering user outgoing messages via said upstream network.

5 127. (Currently amended) The method of claim 125, wherein said step of recording is carried out using a telephone at the user premises.

128. The method of claim 125 further comprising the step of notifying the user upon receipt of a message.

129. A system for handling messages adapted to operate in conjunction with a television
10 distribution system having a downstream network constructed to carry signals and selectively distribute said signals to a plurality of terminals connected thereto, wherein at least one of said terminals is constructed to selectively display an image corresponding to said signal on a television screen, operating in conjunction with an upstream network constructed to deliver user input signals to a central location, the
15 system comprising:

a distributed television messaging gateway, having a message control interface for selecting at least one message from a unified messaging server, said message having address information associated therewith, to associate said message with at least one user;

20 wherein said message control interface is constructed to select said message

responsive to user input signals entered via a telephone, and said system adapted to feed a signal corresponding to said message into said downstream network;

wherein said signal is directed to at least one of said terminals, for display on

5 a television set coupled thereto.

130. The system of claim 129 wherein said television messaging gateway is implemented in part at a central location and in part in the user premises.

131. The system of claim 129 further comprising a voice recorder to record user voice, and wherein said system is further constructed to embed at least a portion of
10 said recorded voice within an outgoing message.

132. A computer readable media containing software that when executed by a computer will cause said computer to substantially perform the method steps performed by the television messaging gateway of claim 125.

133. A computer readable media containing software that when executed by a
15 computer will cause said computer to substantially perform the method steps performed by the television messaging gateway of claim 123.

134. A computer readable media containing software that when executed by a computer will cause said computer to substantially perform the method steps performed by the television messaging gateway of claim 120.